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110 and 133	16

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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(node or container or folder) and (placeholder and reserv\$ near4 slot or space)	189713	<u>L22</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(node or container or folder) and (placeholder or reserv\$ near4 slot or place or node or space or location or region)	492423	<u>L21</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(node or container or folder) and placeholder or reserv\$ near4 slot or place or node or space or location or region	4139067	<u>L20</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((707/511)!.CCLS.) )	116	<u>L19</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((707/204)!.CCLS.) )	381	<u>L18</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((717/\$)!.CCLS.) )	2953	<u>L17</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((717/3)!.CCLS.) )	235	<u>L16</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((704/\$)!.CCLS.) )	11549	<u>L15</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((704/9)!.CCLS.) )	474	<u>L14</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((701/30)!.CCLS.) )	75	<u>L13</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((701/29)!.CCLS.) )	594	<u>L12</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((701/\$)!.CCLS.) )	18993	<u>L11</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((707/\$)!.CCLS.) )	11482	<u>L10</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((707/531)!.CCLS.) )	666	<u>L9</u>
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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((707/100)!.CCLS.) )	825	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((((707/10)!.CCLS.) )	1500	<u>L2</u>
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L32: Entry 31 of 37

File: USPT

Feb 24, 1998

US-PAT-NO: 5721903

DOCUMENT-IDENTIFIER: US 5721903 A

TITLE: System and method for generating reports from a computer database

DATE-ISSUED: February 24, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anand; Tejawansh S.	Roswell	GA	N/A	N/A
Georgantos; Michael A.	San Diego	CA	N/A	N/A
Hu; Yih-Shiuan	Alpharetta	GA	N/A	N/A
Knutson; James F.	Roswell	GA	N/A	N/A
Lettington; Drew T.	San Diego	CA	N/A	N/A
Lindsay; Marshall P.	San Diego	CA	N/A	N/A
Meyer; Alan J.	Riverside	CA	N/A	N/A
O'Flaherty; Kenneth W.	Del Mar	CA	N/A	N/A
Schubert; Richard N.	San Diego	CA	N/A	N/A
Selfridge; Peter G.	Watchung	NJ	N/A	N/A

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
NCR Corporation	Dayton	OH	N/A	N/A	02

APPL-NO: 8/ 545048

DATE FILED: October 12, 1995

INT-CL: [6] G06F 17/30

US-CL-ISSUED: 395/605; 395/601, 395/603, 395/613

US-CL-CURRENT: 707/5; 707/1, 707/102, 707/3

FIELD-OF-SEARCH: 395/601, 395/602, 395/603, 395/604, 395/613, 395/605, 395/611

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5088052</u>	February 1992	Spielman et al.	395/158
<input type="checkbox"/>	<u>5404506</u>	April 1995	Fujisawa et al.	395/600
<input type="checkbox"/>	<u>5414838</u>	May 1995	Kolton et al.	395/600
<input type="checkbox"/>	<u>5455945</u>	October 1995	VanderDrift	395/600
<input type="checkbox"/>	<u>5471611</u>	November 1995	McGregor	395/600
<input type="checkbox"/>	<u>5537590</u>	July 1996	Amado	395/600
<input type="checkbox"/>	<u>5544298</u>	August 1996	Kanavy et al.	395/155

## OTHER PUBLICATIONS

Korth and Silberschatz, "Database System Concepts" 2/E, McGraw-Hill Inc., pp. 97-98 Dec. 1991.

ART-UNIT: 237

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Min; Donald

ATTY-AGENT-FIRM: Martin; Paul W.

ABSTRACT:

A system and method for generating a report for a user which allows the user to make decisions, without requiring the user to understand or interpret data itself. A database management program executed by a server within a system for generating the report for the user includes a first subsystem for translating user requests for data, for generating dimensional queries for retrieving data from a database, and for processing user modifications to data types used in generating the report. A second subsystem coupled to the first subsystem reads data from the database, creates the data types, creates a mapping of the data types to the data, uses the mapping to translate user-initiated dimensional queries received from the first subsystem into Structured Query Language (SQL), and returns query results to the first subsystem. A third subsystem creates the report at a predetermined time.

4 Claims, 13 Drawing figures

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L32: Entry 33 of 37

File: USPT

Jan 13, 1998

US-PAT-NO: 5708825

DOCUMENT-IDENTIFIER: US 5708825 A

TITLE: Automatic summary page creation and hyperlink generation

DATE-ISSUED: January 13, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sotomayor; Bernardo Rafael	Burnsville	MN	N/A	N/A

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Iconovex Corporation	Bloomington	MN	N/A	N/A	02

APPL-NO: 8/ 452174

DATE FILED: May 26, 1995

INT-CL: [6] G06F 15/00

US-CL-ISSUED: 395/762

US-CL-CURRENT: 707/501.1

FIELD-OF-SEARCH: 364/419.19, 364/419.01, 364/419.1, 395/762, 395/765, 395/761

PRIOR-ART-DISCLOSED:

## OTHER PUBLICATIONS

Reflex Plus: The Databases Manager -User's Guide, 1987, pp. 191-120.  
Aronson, Larry; HTML Manual of Style; 1994 Ziff-Davis Press.  
Engst, et al; Internet Starter Kit; Second Edition; 1995 Hayden Books.

ART-UNIT: 242

PRIMARY-EXAMINER: Nguyen; Phu K.

ATTY-AGENT-FIRM: Schwegman, Lundberg, Woessner, &amp; Kluth, P.A.

## ABSTRACT:

Method and apparatus to enable scanning one or more documents, automatically identifying significant key topics, concepts, and phrases in the documents, and creating summary pages for, and hyperlinks between, some or all of these key topics. Optionally, documents are divided into segments, in order that only the needed segment of a hyperlinked-to document need be transferred to a viewer's display. A process running on a computer can be used which (a) allows an author to select source documents and then, using a semantic analyzer program running on a computer, (b) automatically identifies significant key topics within the selected documents, (c) compiles those key topics into summary pages, (d) generates presentation pages and optionally segmenting the selected documents into smaller pieces, and (e) embeds hyperlinks from these summary pages to the locations where key topics appear in the presentation pages. Different types of summary-page are available, including abstract, concept, phrase, and table-of-contents summary pages. A summary page provides an index into the source document, and can be appended to the source document. A method of using a computer to hyperlink through automatically generated hyperlinks, and a data structure which can be used to support such hyperlinking are described.

31 Claims, 15 Drawing figures